

FIG. 1

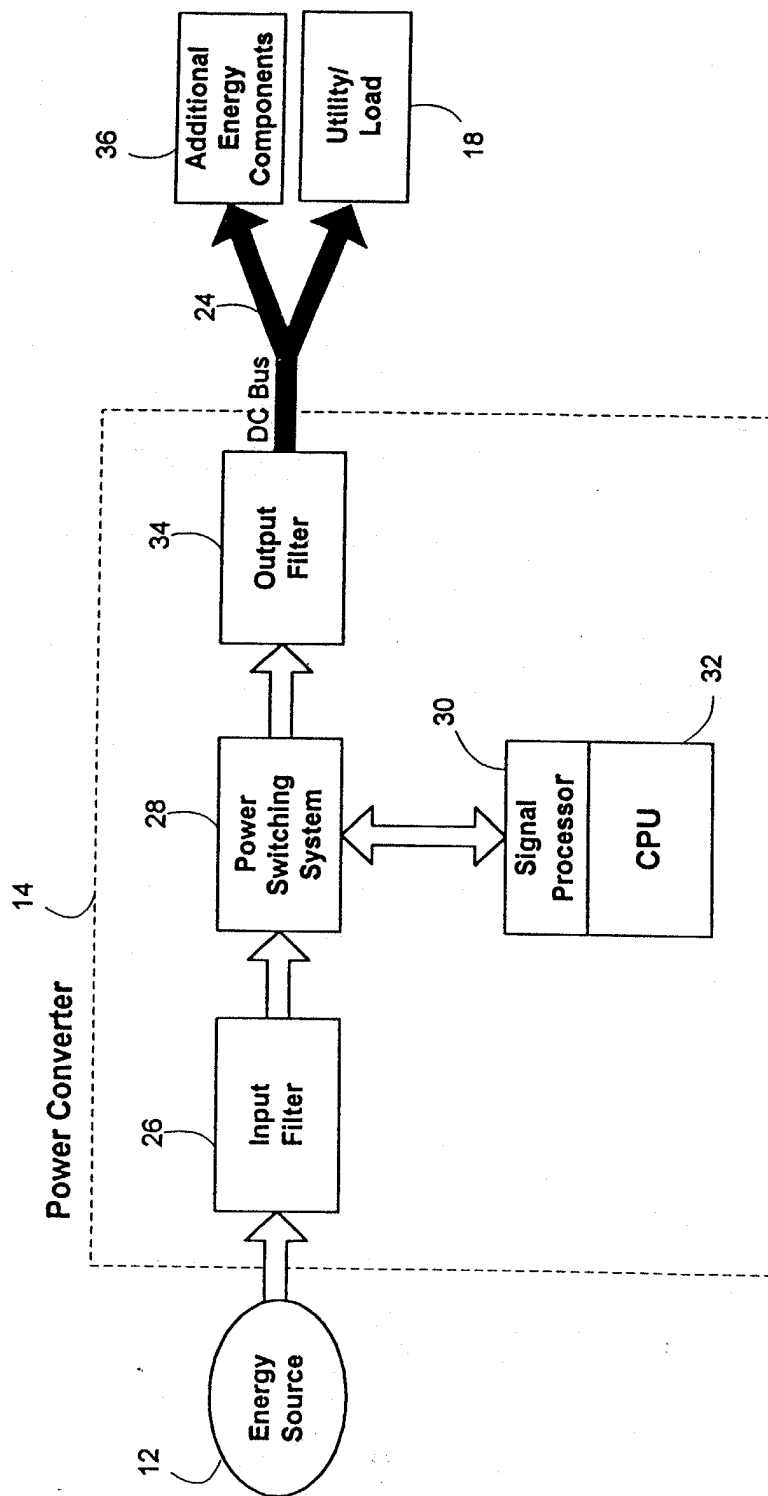


FIG. 2

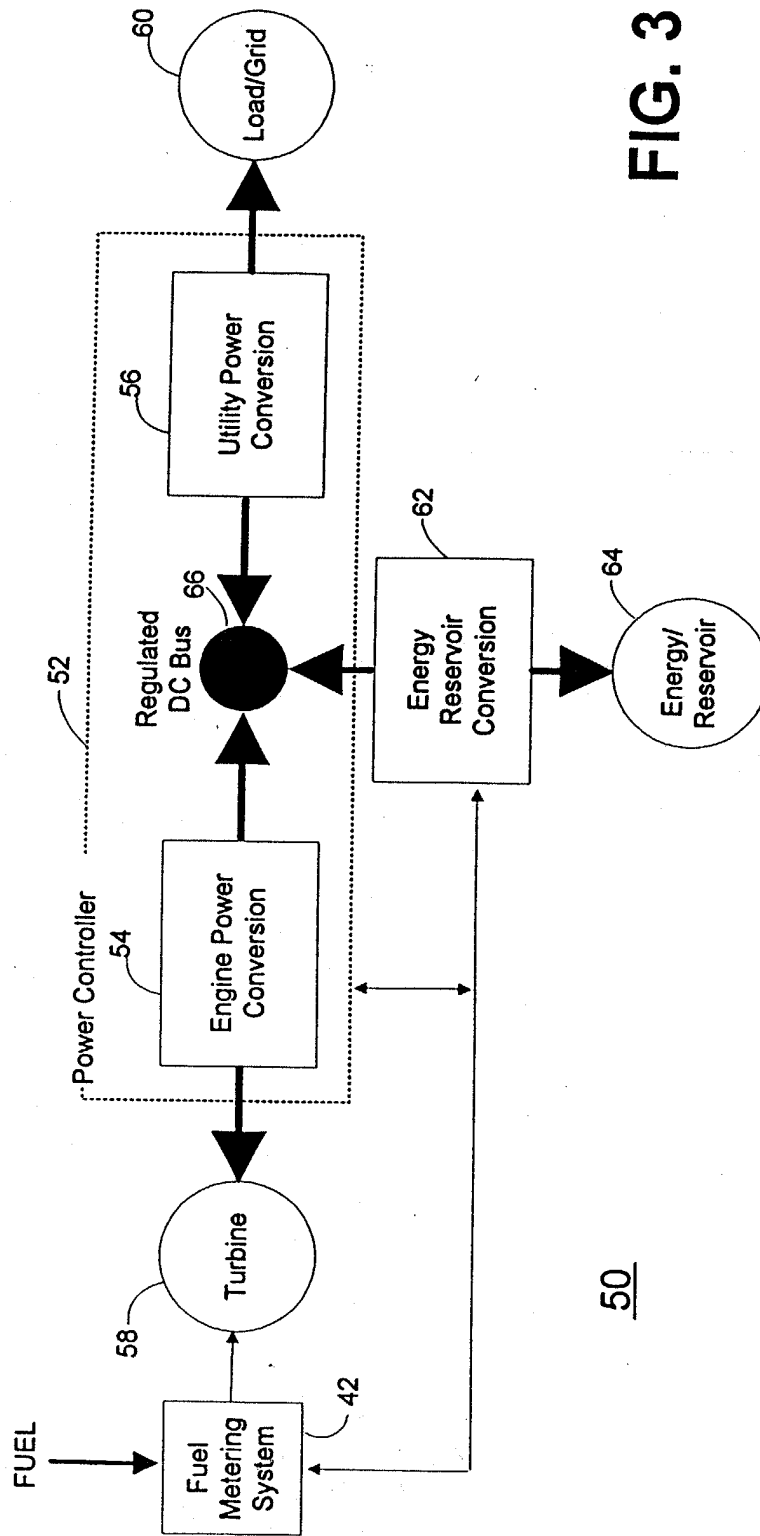
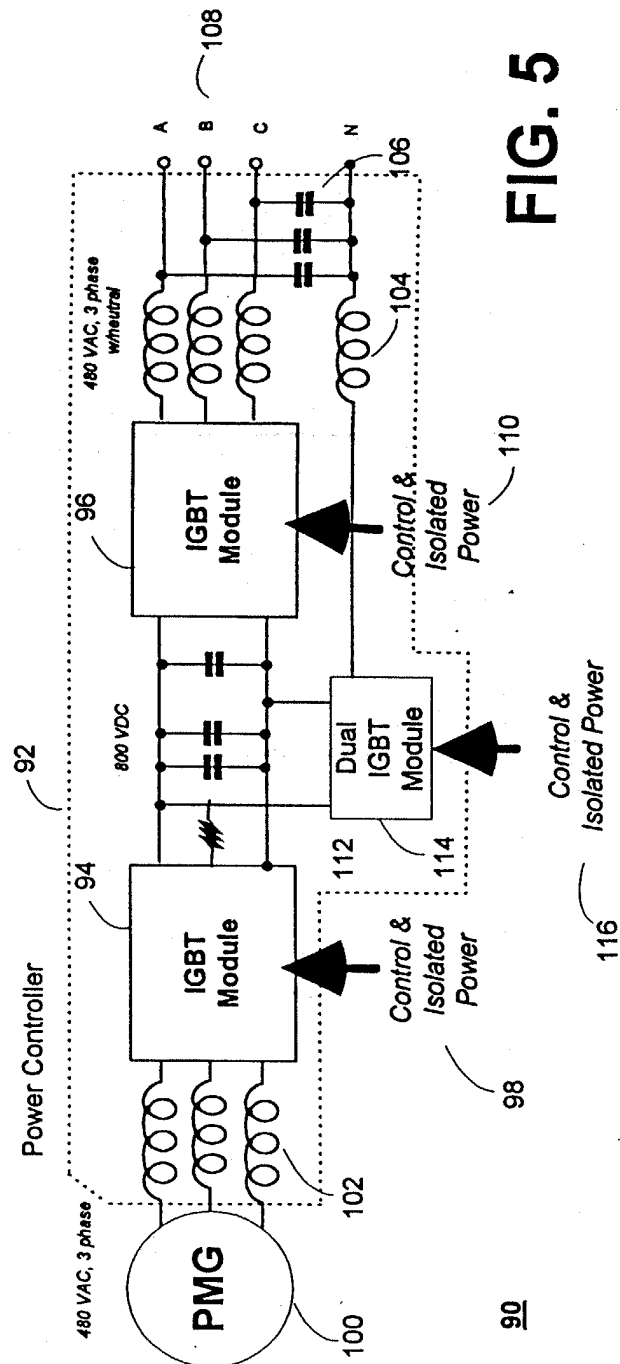
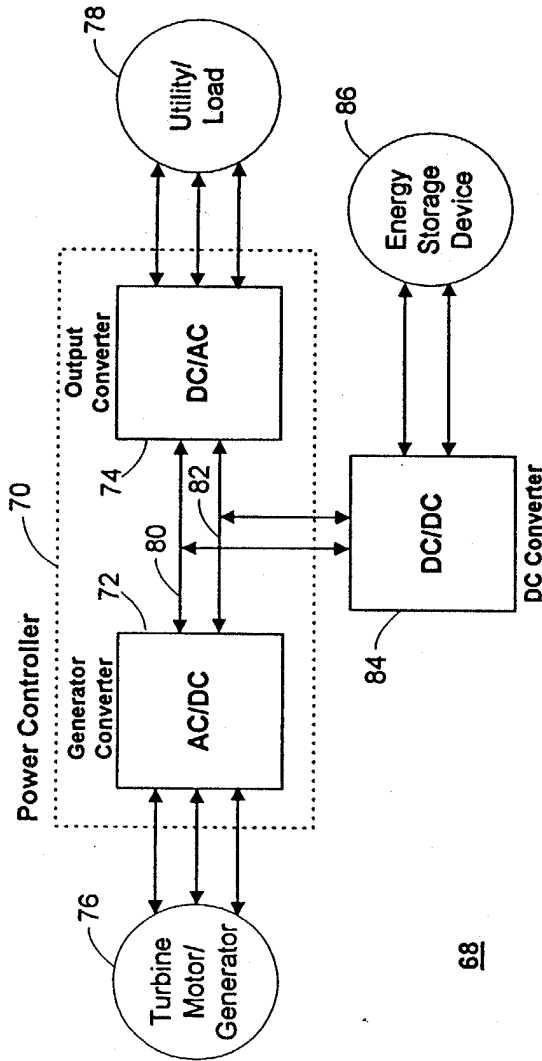


FIG. 3



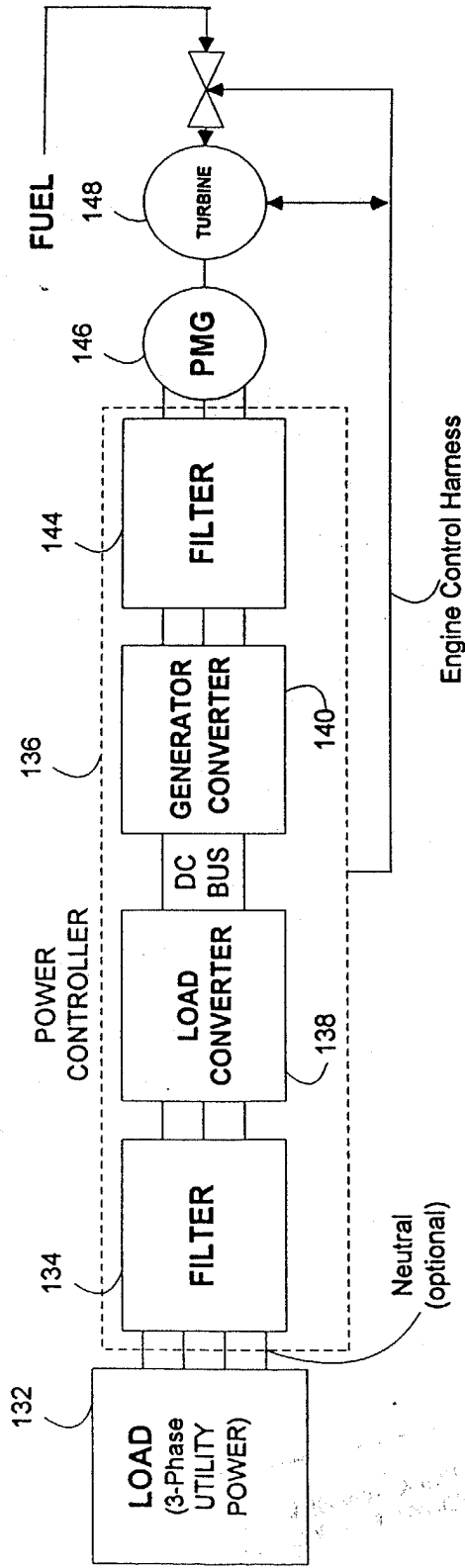


FIG. 6

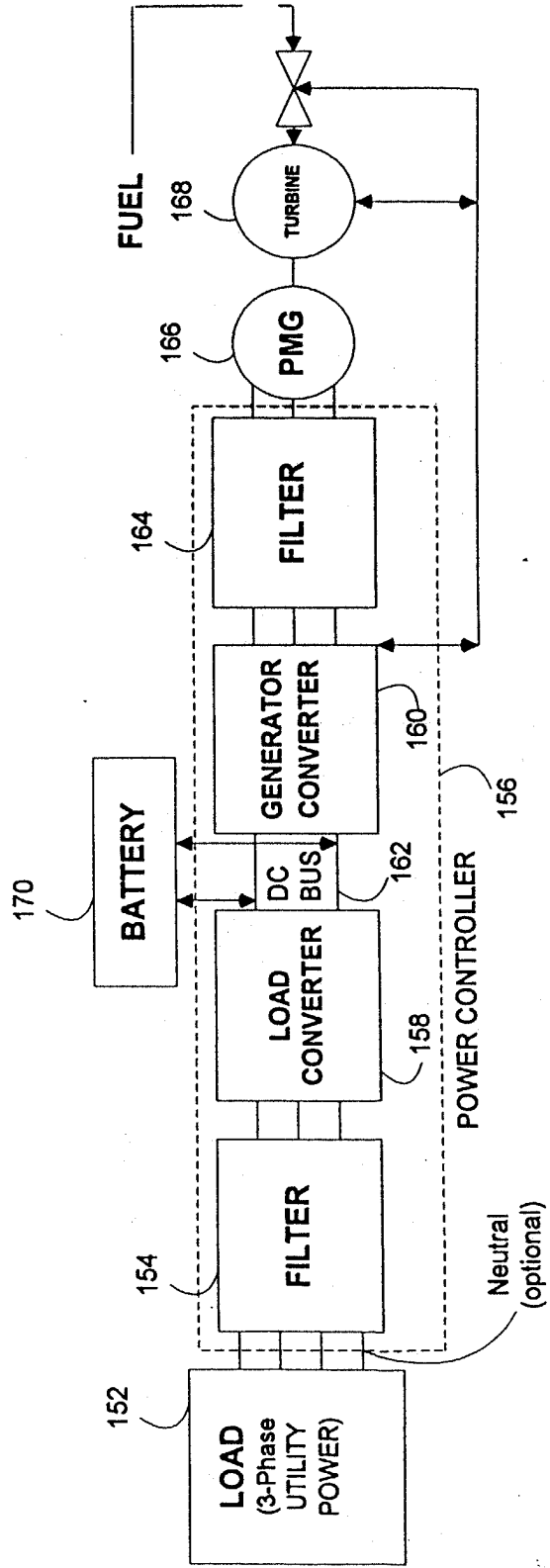


FIG. 7

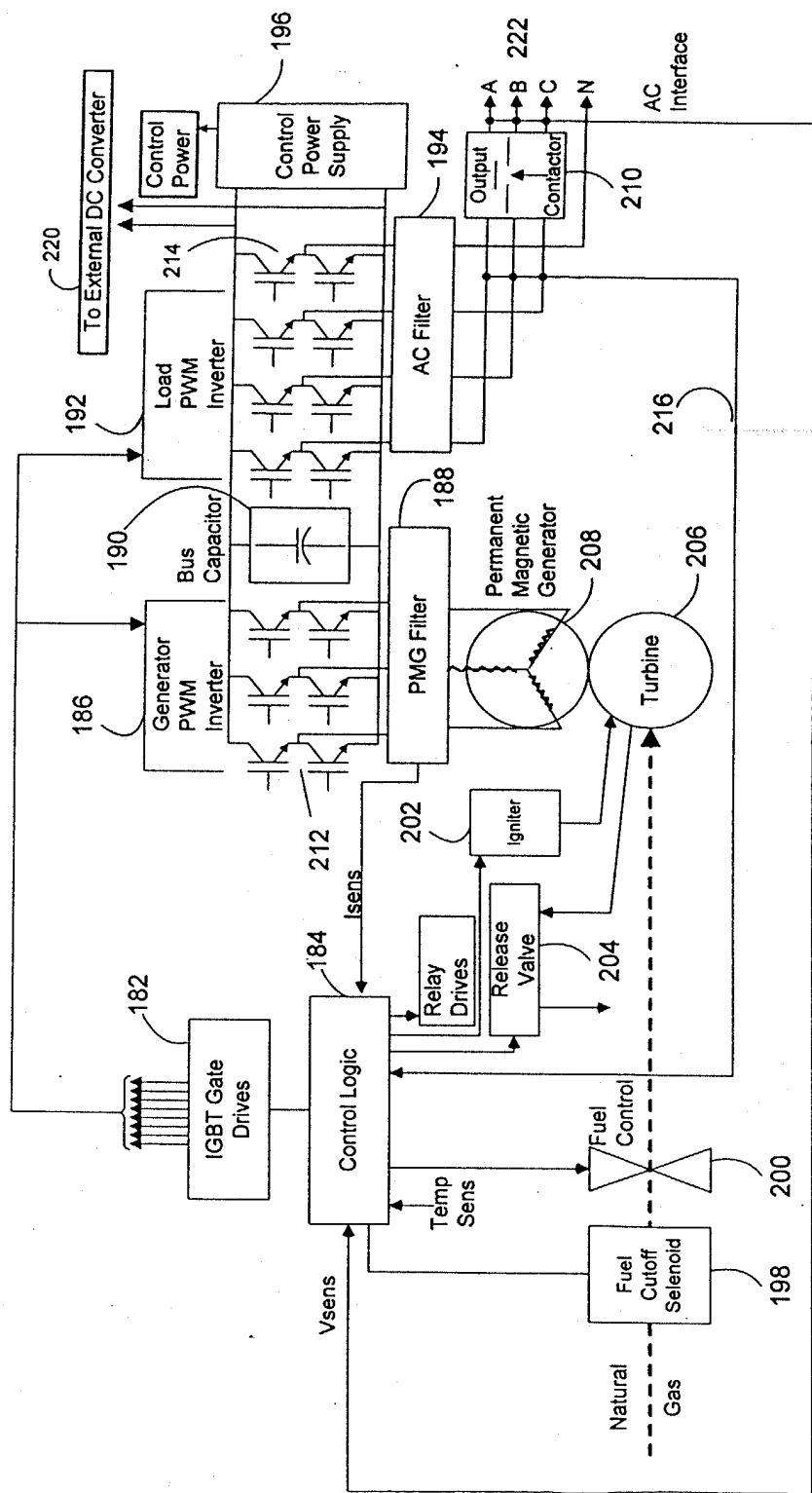


FIG. 8

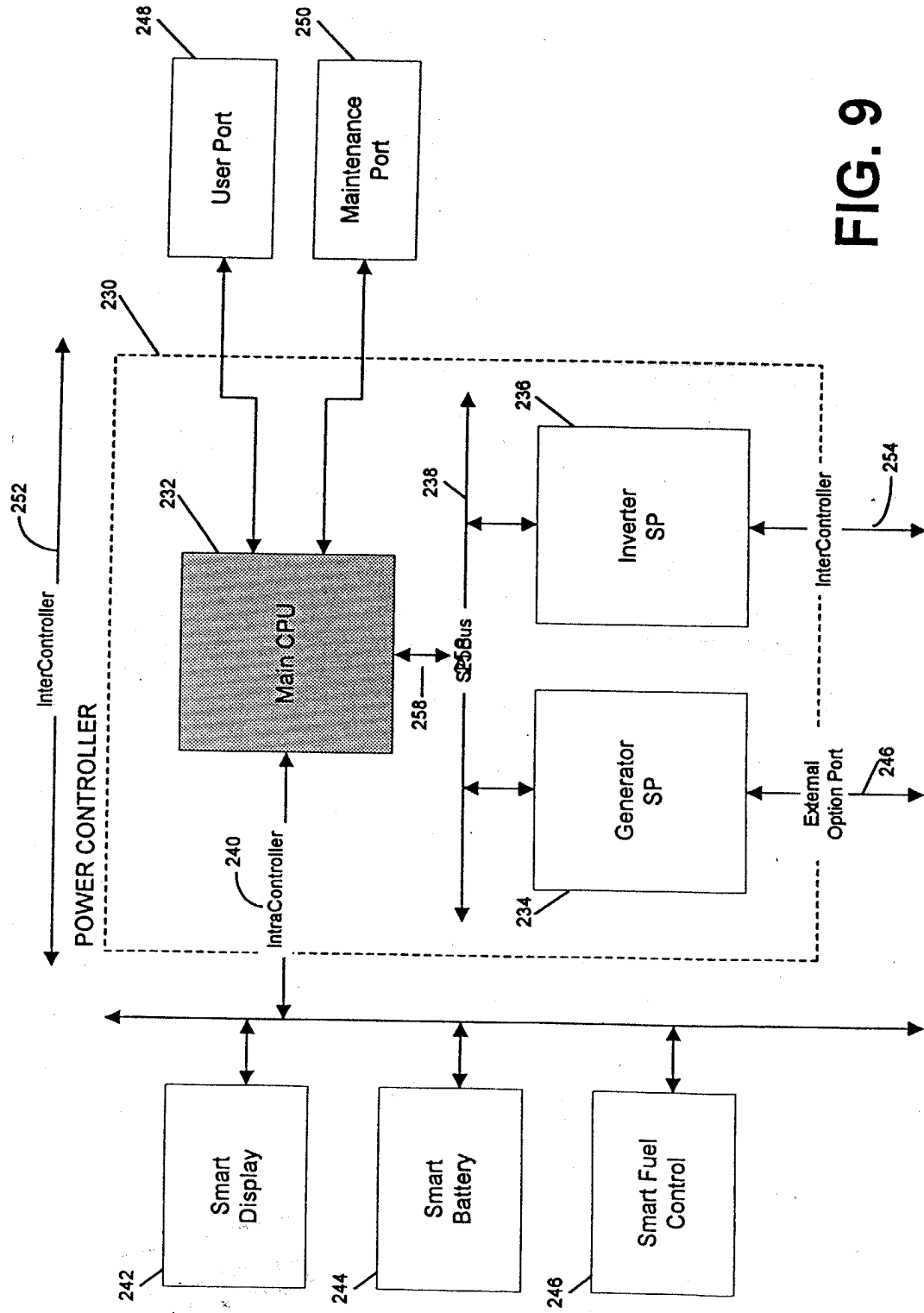
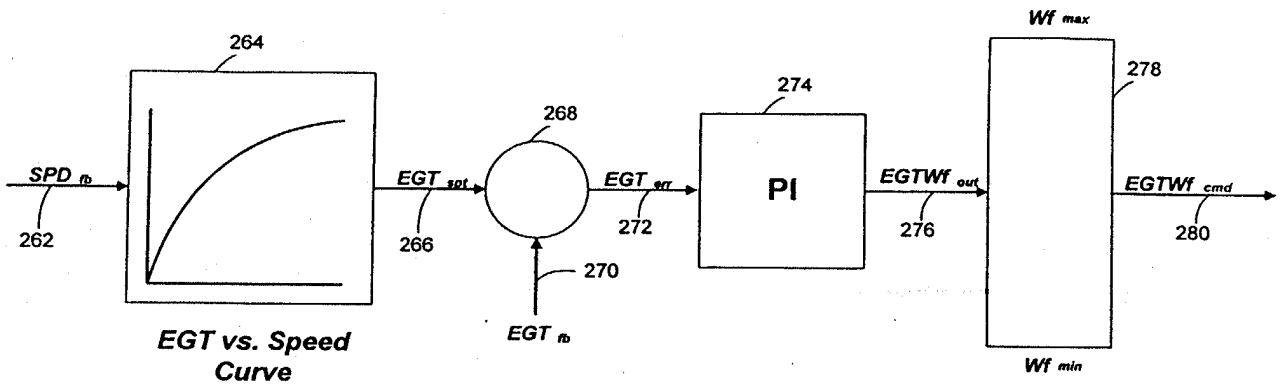


FIG. 9

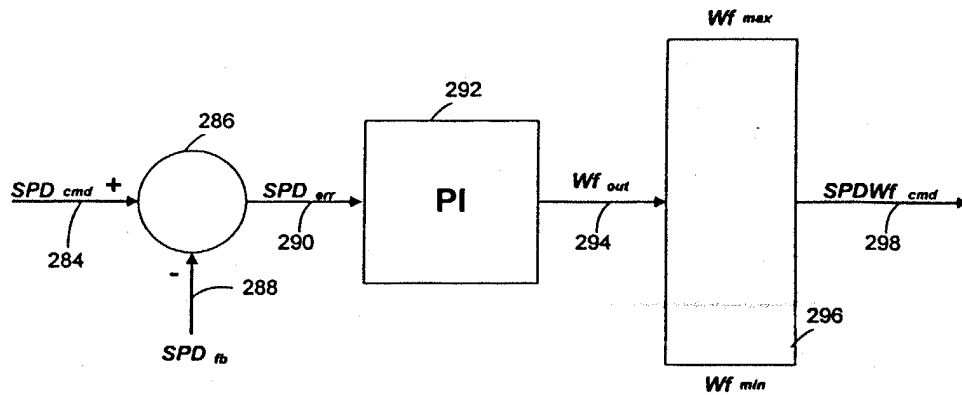


260

**FIG. 10**

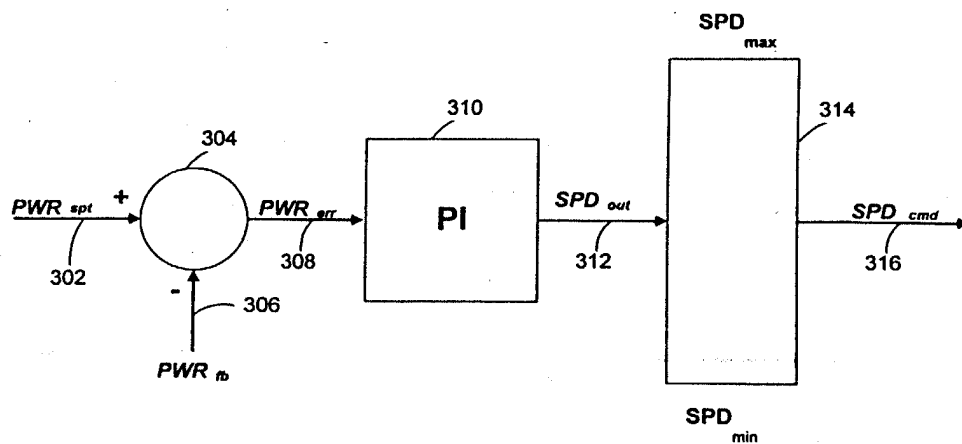


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**FIG. 11**



300

**FIG. 12**

The diagram is a state transition logic for a gas turbine engine. It includes the following states and transitions:

- Power Up** (332) → **Stand By** (324) on *Pass POST*.
- Stand By** (324) → **Prepare To Start** (326) on *Start Command*.
- Stand By** (324) → **Shut Down** (330) on *RPM <= 0*.
- Stand By** (324) → **Fault** (334) on *System Reset*.
- Prepare To Start** (326) → **Re-Start** (350) on *Systems Ready*.
- Prepare To Start** (326) → **Shut Down** (330) on *Stop Command*.
- Re-Start** (350) → **Cool Down** (332) on *Start Command*.
- Re-Start** (350) → **Shut Down** (330) on *Stop Command*.
- Re-Start** (350) → **Re-Light** (338) on *SSL > 2 OR*.
- Cool Down** (332) → **Re-Light** (338) on *EGT < 500 F AND Cool Down Timer Expires*.
- Cool Down** (332) → **Open Loop Light Off** (340) on *Fail To Light*.
- Cool Down** (332) → **Re-Start** (350) on *Stop Command OR SSL > 2*.
- Re-Light** (338) → **Re-Charge** (334) on *2 < TSS OR SSL > 2*.
- Re-Light** (338) → **Warm Down** (346) on *Engine Fails To Light*.
- Re-Charge** (334) → **Run** (344) on *2 < TSS OR SSL > 2*.
- Re-Charge** (334) → **Warm Down** (346) on *Stop Command OR SSL > 2*.
- Run** (344) → **Load** (346) on *No Load Operation*.
- Run** (344) → **Warm Down** (346) on *Power Disable*.
- Load** (346) → **Run** (344) on *Power Enable*.
- Load** (346) → **Warm Down** (346) on *SSL >= 4*.
- Warm Down** (346) → **Stand By** (324) on *SSL >= 4*.
- Warm Down** (346) → **Power Up** (332) on *SSL = 6*.
- Warm Down** (346) → **Disable** (336) on *SSL = 5*.
- Fault** (334) → **Shut Down** (330) on *EGT < 650 F*.
- Fault** (334) → **Re-Light** (338) on *Engine Fails To Light*.
- Shut Down** (330) → **Stand By** (324) on *System Reset*.
- Shut Down** (330) → **Re-Start** (350) on *Systems Ready*.
- Shut Down** (330) → **Re-Light** (338) on *Stop Command OR SSL > 2*.
- Shut Down** (330) → **Warm Down** (346) on *Stop Command OR SSL > 2*.
- Open Loop Light Off** (340) → **Re-Start** (350) on *RPM <= 25,000*.
- Open Loop Light Off** (340) → **Re-Light** (338) on *Engine Light*.
- Open Loop Light Off** (340) → **Re-Charge** (334) on *Engine Light*.
- Open Loop Light Off** (340) → **Re-Start** (350) on *Stop Command OR SSL > 2*.
- Closed Loop Accel** (342) → **Run** (344) on *Engine Light*.
- Closed Loop Accel** (342) → **Re-Charge** (334) on *Engine Light*.
- Closed Loop Accel** (342) → **Re-Start** (350) on *Stop Command OR SSL > 2*.
- Closed Loop Accel** (342) → **Re-Light** (338) on *Engine Light*.
- Closed Loop Accel** (342) → **Re-Start** (350) on *Stop Command OR SSL > 2*.

**FIG. 13**

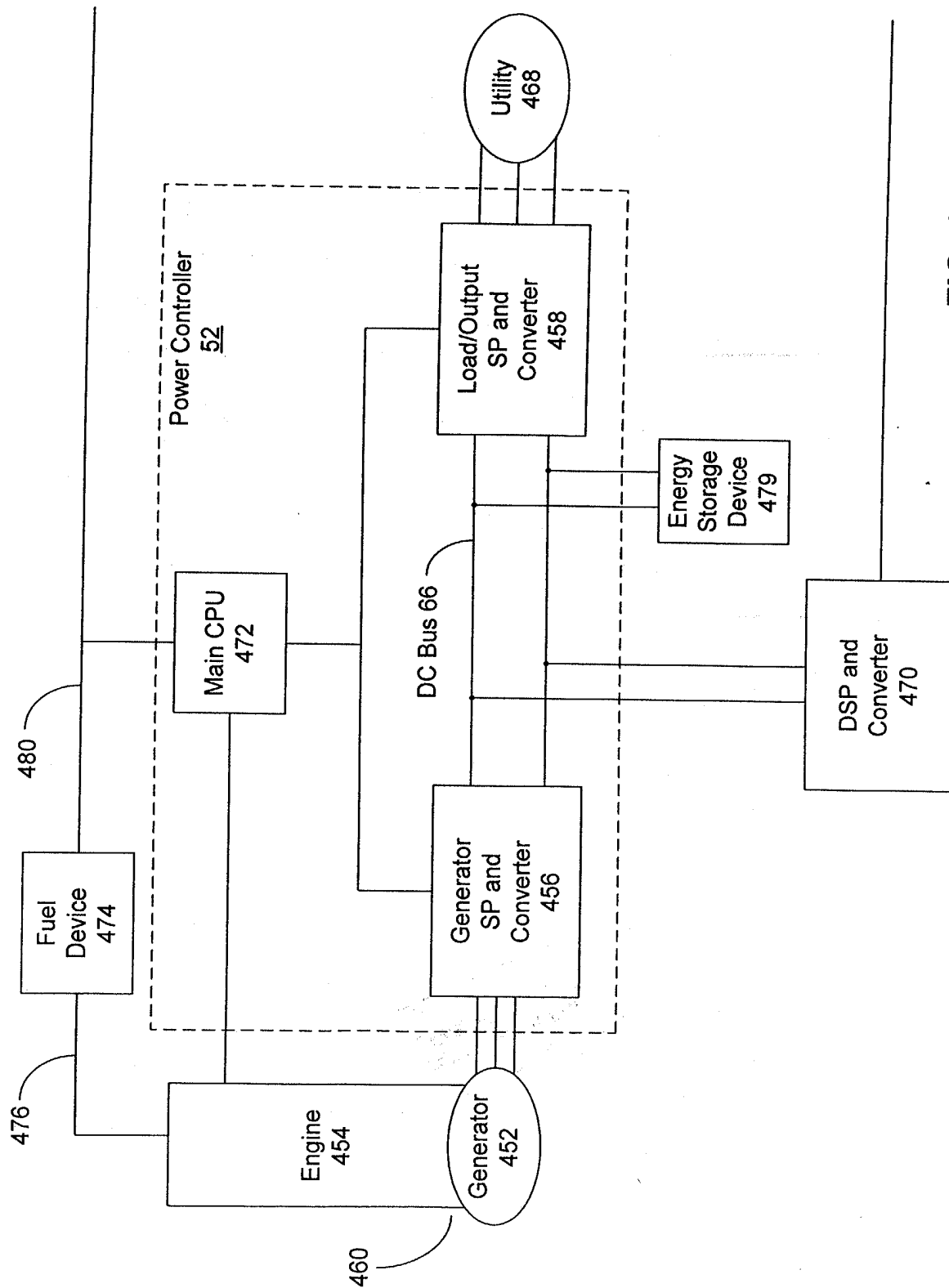


FIG. 14

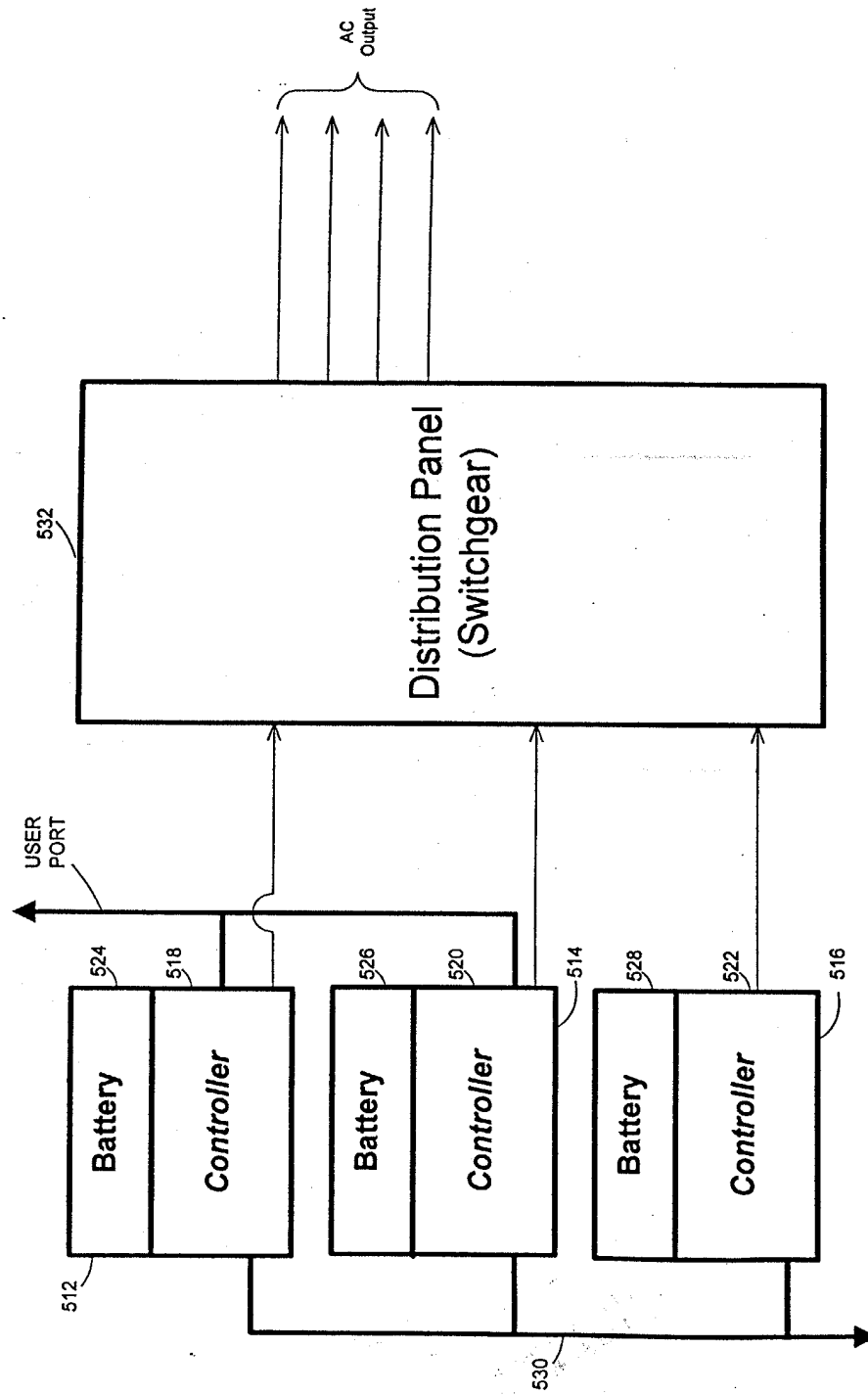


FIG. 15

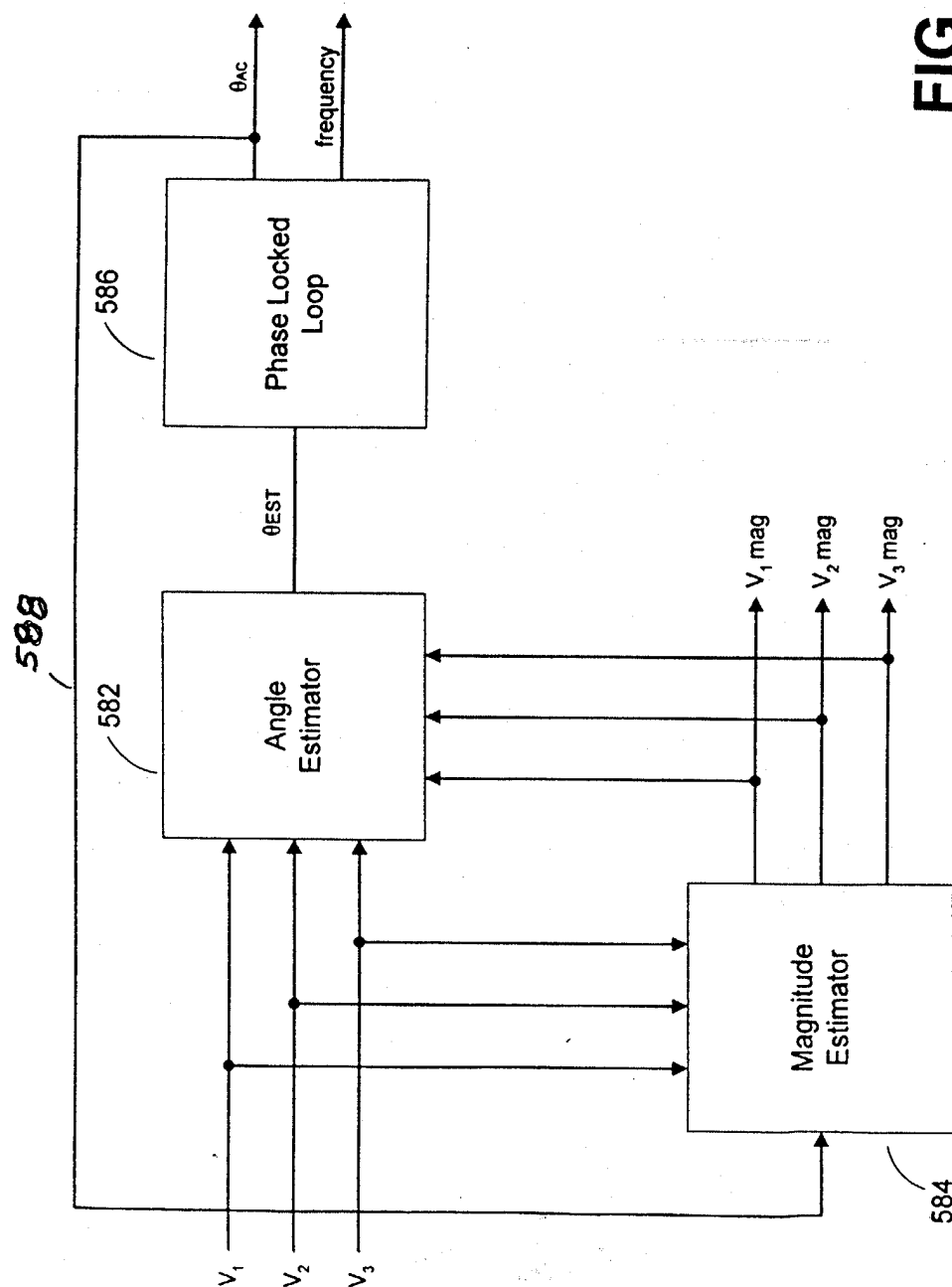


FIG. 16

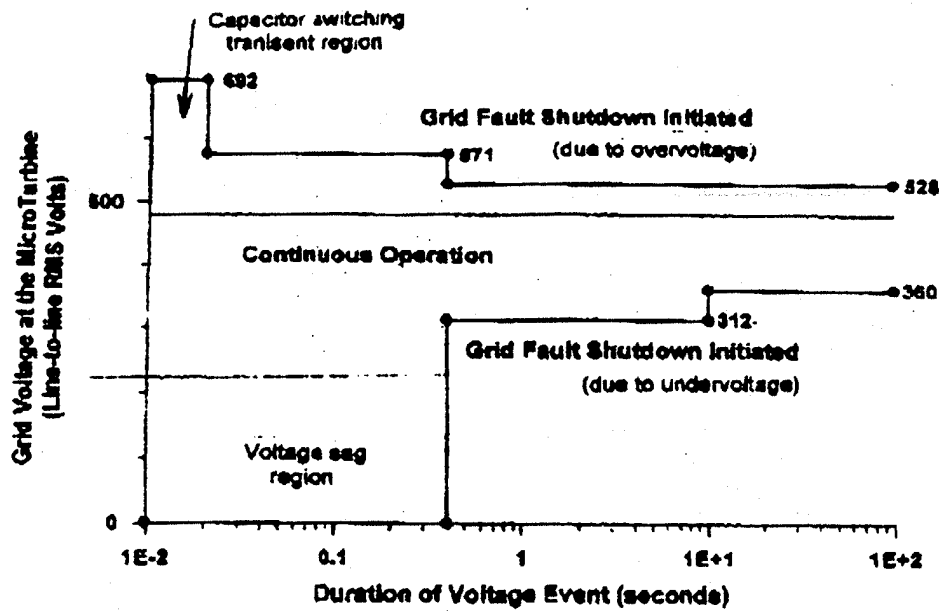
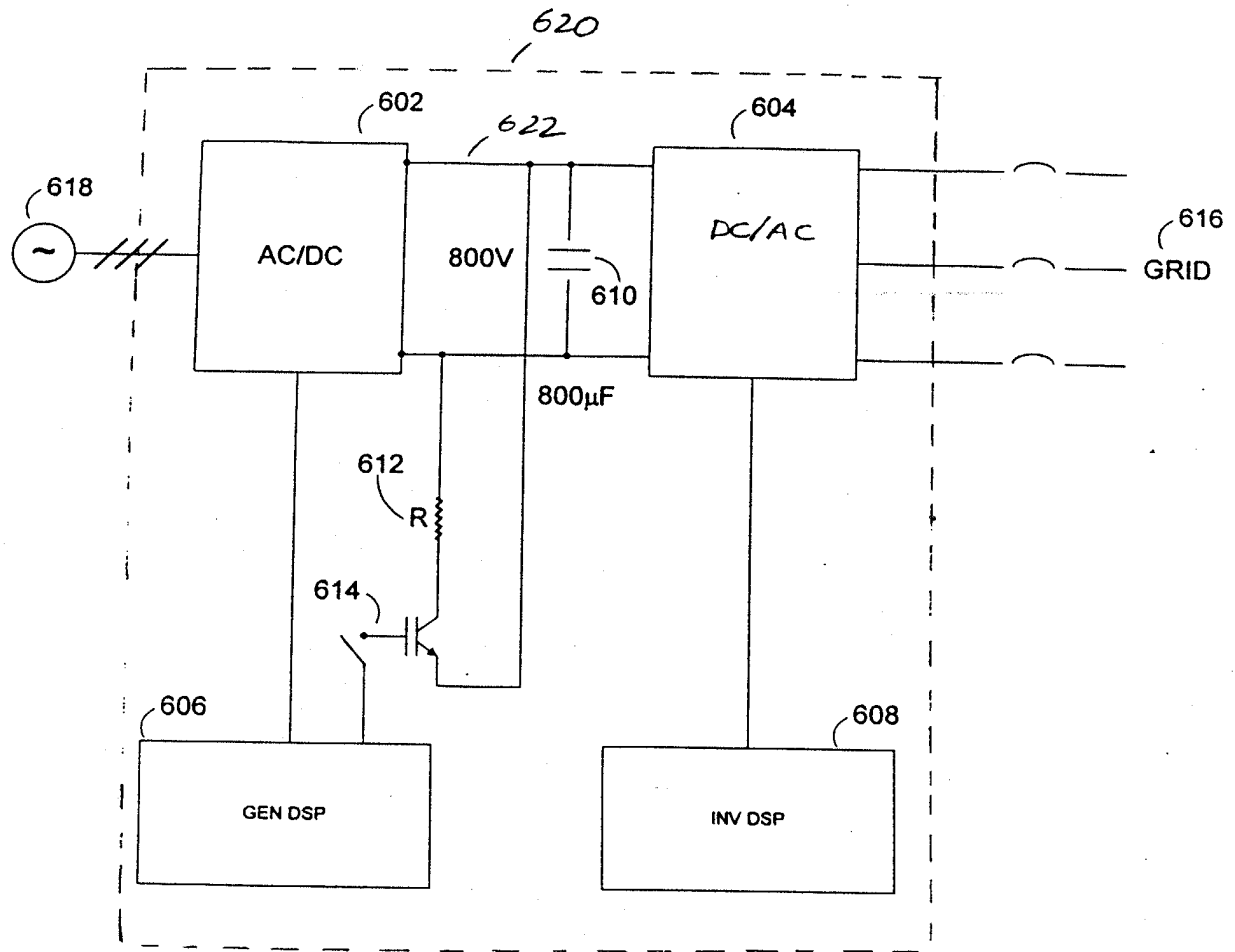


FIG. 17

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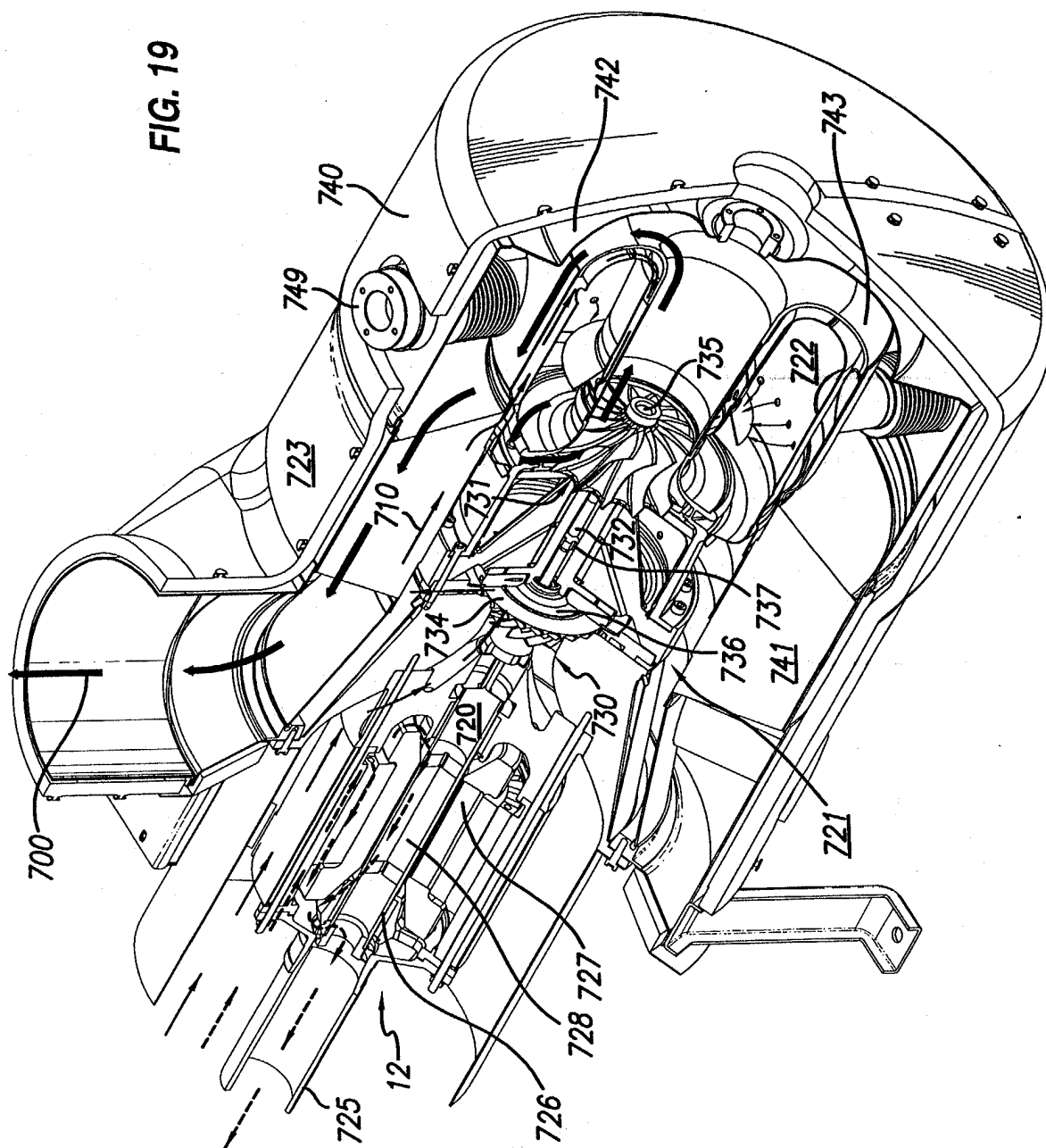


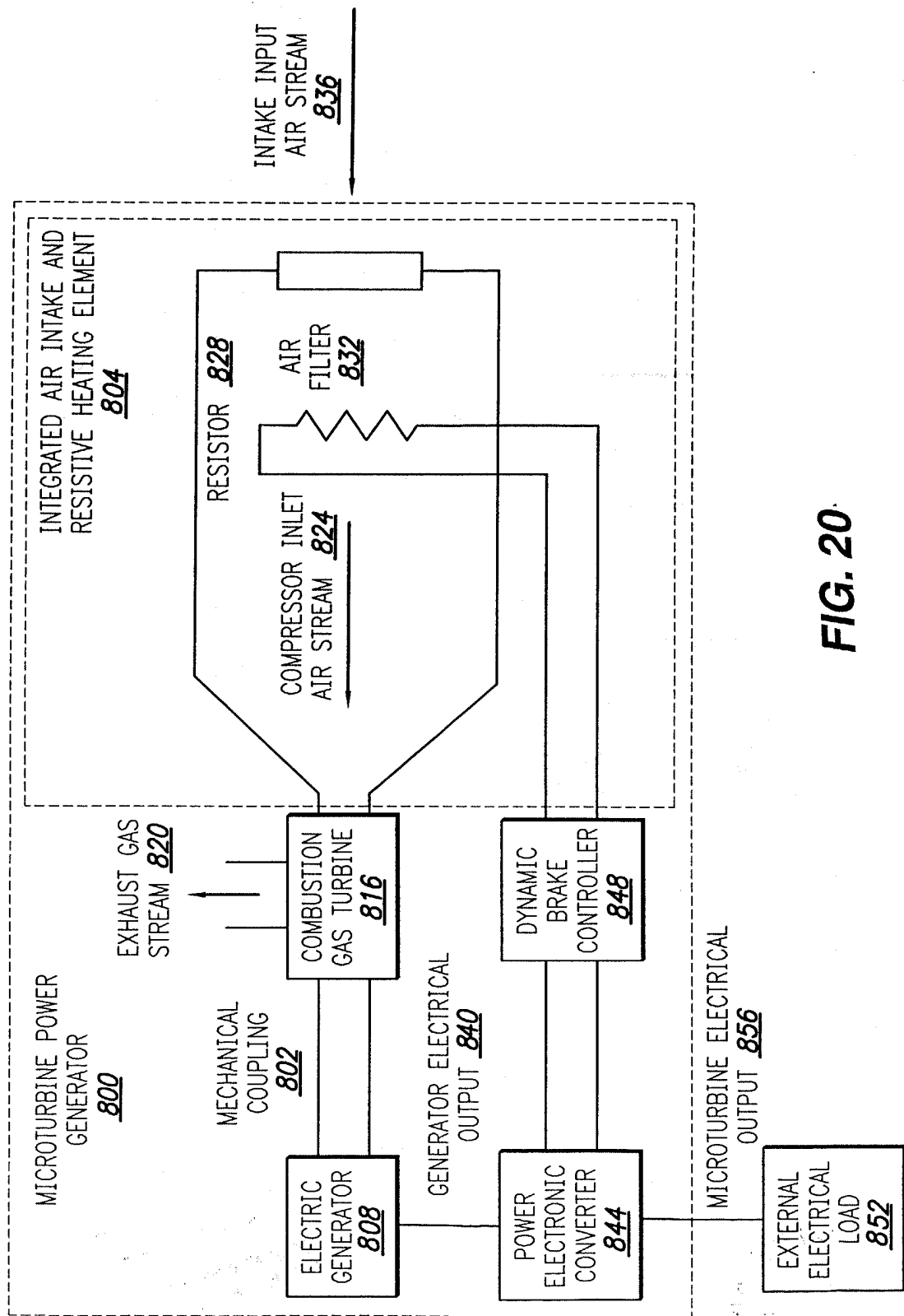
600

FIG. 18

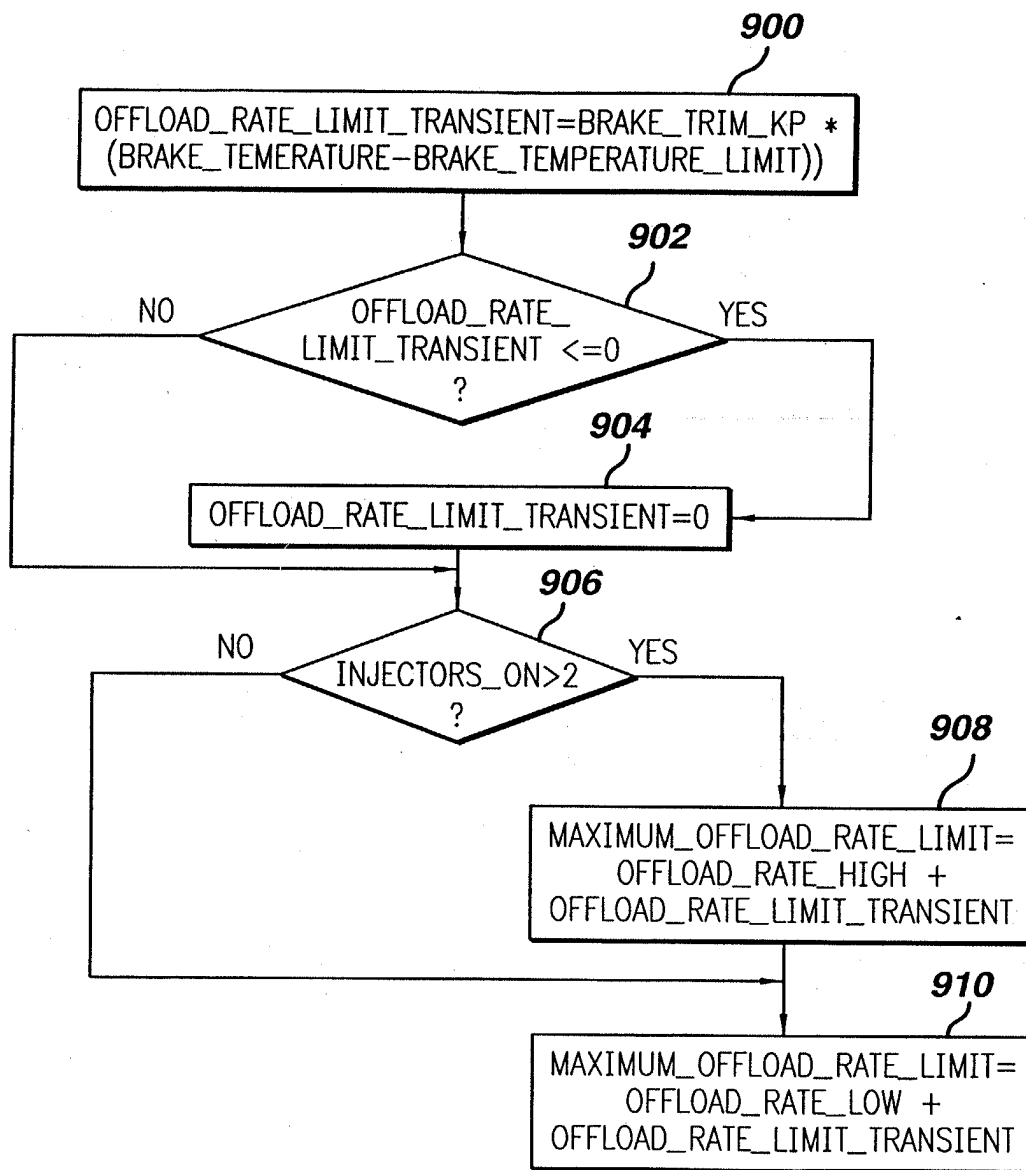


FIG. 19





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**FIG. 21**